

CERTIFICATE OF ANALYSIS

Product Information

| | |
|--------------------------------|---|
| Product Name | CHO-K1/GALR2 |
| Cat. No. | M00209 |
| Lot No. | R10052103-3 |
| Host Cell: | CHO-K1 |
| Target Gene: | GALR2 |
| Quantity: | 2 vials of frozen cells, > 1x10 ⁶ cells/vial |
| Shipping Condition: | Dry Ice |
| Recommended Storage Condition: | Liquid Nitrogen |

Stable Cell Line Information

Recommended Cell Culture Medium: Ham's F-12K, 10% FBS, 400 µg/ml G418

Freeze Medium: 45% F-12K, 45% FBS, 10% DMSO

Application: Intracellular calcium mobilization assay on GALR2 receptor.

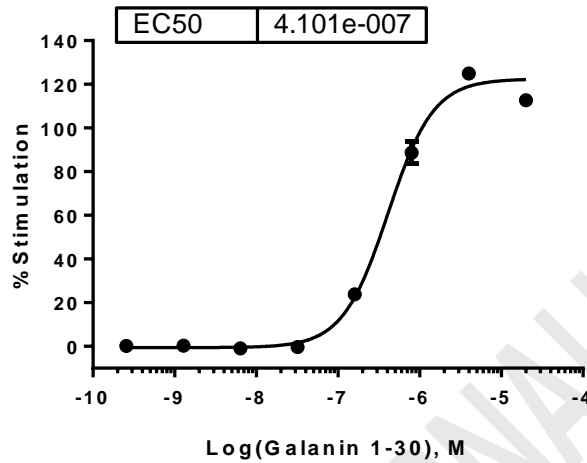
| Test Item | Specification | Result |
|----------------|--------------------|---|
| Mycoplasma | Negative* | Negative* |
| Cell viability | >90% | 96% |
| Function assay | Calcium Flux assay | EC ₅₀ = 4.1x10 ⁻⁷ M |

* The mycoplasma test was performed with MycoAlert™ PLUS Mycoplasma Detection Kit of Lonza.

Appendix

Calcium Flux Assay

Agonist Test of Calcium Flux Assay on
CHO-K1/GALR2 cells



Galanin1-30 induced concentration-dependent stimulation of intracellular Calcium mobilization in CHO-K1/GALR2 cells, $EC_{50}=4.1 \times 10^{-7}$ M.

Caution

For research use only. Not intended for household use. If you have any questions about the Certificate of Analysis, please contact our customer service representative at 1-877-436-7274 (Toll-Free), or 1-732-885-9188.

Certified by:

Dan Jiang

Date: 07/13/2021

Department of New Technology